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SAFETY SPECTACLES ES 001



CERTIFIED TO IS 5983:1980, EN 166:2001, EN 167:2002, EN 172:1994 + A1:2000 & A2:2001 EN 168:2002;
CONFORMS TO ANSI Z 87.1-2010

1	GENERAL PARAMETERS	DESIGN	Frameless, wraparound spectacle
		APPLICATION	All industrial settings where dust/flying particles protection or ultraviolet protection is required
		LENS COLOUR OPTIONS	Clear, Smoked, Clear Anti-fog
		MECHANICAL HAZARD PROTECTION	Frontal, lateral impact resistance Lateral protection
		OPTICAL HAZARD PROTECTION	99.9% UV Protection
		MATERIALS	Lens – Class 1 Polycarbonate Temples – Polycarbonate
		OPTICAL CLASS	Class 1
		LENS SCALE FOR CLEAR LENS	3-1.2
		LENS SCALE FOR SMOKED LENS	5-3.1
		COATINGS	Hard coated for scratch resistance, antifog
		WEIGHT	< 26 gms approx.
2	VITAL COMPLIANCE	MECHANICAL HAZARD PROTECTION	Resistance to low impact energy of high-speed particles at extremes of temperature: Withstands the impact of a 6mm nominal diameter steel ball, weighing 0.86 gm at a speed of 45 m/s. The impacts are carried out after conditioning the eyewear to temperatures of (55 ± 2) °C and (-5 ± 2) °C



	INCREASED ROBUSTNESS	When dropped from a height of 1.27 – 1.31 mtrs. withstands the impact of 22 mm nominal diameter, weighing 44gm.
	OPTICAL HAZARD PROTECTION	99.9% UV protection Transmittance (280-380 nm) < 0.1%
	OPTICAL PROPERTIES	Spherical Refractive Power of Clear Lens within ± 0.06 m-1
		Astigmatic Refractive Power of Clear Lens ± 0.06 m-1
		Prismatic Refractive Power for Clear & Smoked Lens- Horizontal base out ≤ 0.75 cm/m; Base in ≤ 0.25 cm/m; Vertical ≤ 0.25 cm/m
		Max spectral transmittance in UV-313nm of Clear Lens- 0.0003%
		Max spectral transmittance in UV-365nm of Clear Lens- 10%
		Luminous transmittance in visible spectra of Clear Lens- 74.4-100% & for Smoked Lens- 29.1-43.2%
	CORROSION RESISTANCE	No corrosion observed on metal parts of Spectacle when tested as per CE & ANSI Standards
	FLAME RESISTANCE	Spectacle did not ignite when tested as per CE & ANSI standards.